

Transportation System Performance Measures

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Performance Measures Are Tools

- Standard management
- Consensus building
- Decision-making
- Information sharing

Performance Measures Are Not

- A panacea
- Data in: magic out
- Shifting regional or State roles
- Simple

Performance Measures Development Objectives

- Broad participation and consensus
- Simple framework
- Focus on desired customer outcomes
- Understand key transportation indicators and relationships
- Best practices for measurement activities

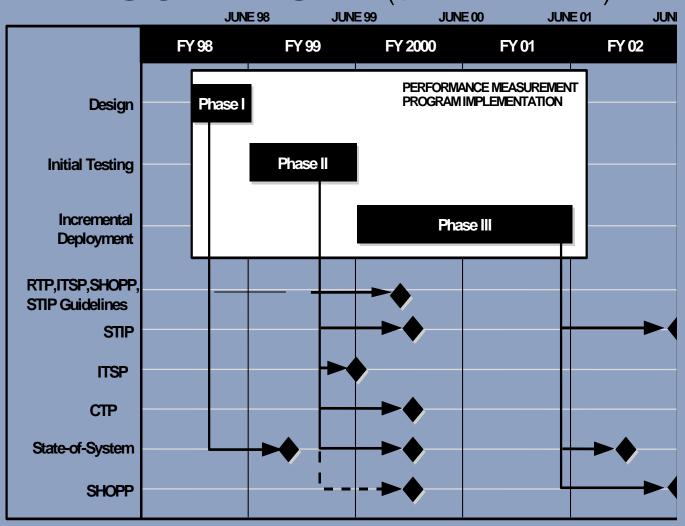
Why Performance Measures?

- Transportation vital to quality of life and economic growth
- Systems approach to planning and decision making
- Provide modal-neutral customer and decision information

Performance Measures Project

- Phase 1: Design Outcomes and Measures
- Phase 2: Testing and Validation
- Phase 3: Incremental Deployment

SCHEDULE (UNDER REVIEW)



Project Status Summary

- Phase 1: Complete as part of the California Transportation Plan (8/98).
- Phase 2: Preliminary findings will be available this spring. Refine 1999/00 Work Plan.
- Phase 3: Formal "kick-off" this fall.
 Incremental deployment
 opportunities exist.

Project Achievements - Oct 1997 Conference

What we learned:

- Outcome vs. Output Performance Measures
- Measures Are Tools Not Rules
- Emphasize the Product Not the Process
- Political Buy-in Needed for Success

Project Achievements - Outcomes

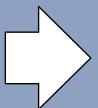
System Performance Outcomes

- mobility and accessibility
- reliability
- cost effectiveness
- economic well-beind
- sustainability
- environmental quality
- safety and security
- equity

 customer satisfaction

Estimated

by...



- travel time
- deviation of average trip distribution
- aggregate benefit cost ratio
- accident rates
- household

Measured directly by...

Performance Indicators

- delay (lost time)

- transportation costs

 customer, constituent surveys

Transportation Outputs

- Calculated number of lanes
 - lane capacity
 - one-time transit performance
 - fares

using...

- vehicle miles traveled
- average speeds
- speed variations
- average vehicle occupancy
- incidents

Upcoming Deliverables (June 99)

- Mobility, reliability and safety findings
 - Highways
 - Transit
 - Intercity rail
- Economic well-being outcome
 - Draft report
- State-of-the-System Report outline

Your Role

- Be and stay informed
- Inform others
- Provide advice

Our Role

- Keep you informed and advised
- Seek your advice and listen
- Effective project management
- Completed staff work

Special Attention Areas

- Indicators must be easy to use/simple to understand
- Indicators must be measurable across all modes
- Use existing data sources and conform to existing performance activities as much as possible
- Achieve simplicity and comprehensiveness
- Attracting and maintaining policy and technical advice